UNITED STATES PATENT AND TRADEMARK OFFICE

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>05 November 2009</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-10 and 13-28</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-10 and 13-28</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   This **FINAL** action is responsive to the response filed on 11/5/2009.

2.   In the response claims 1-10 & 13-28 remain pending. Claims 1, 6, 13, 18, 23 and 26 are

the independent claims.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> (a) the invention was known or used by others in this country, or patented or described in
> a printed publication in this or a foreign country, before the invention thereof by the
> applicant for a patent.

4.   Claims 1-10 and 13-28 remain rejected under 35 U.S.C. 102(a) as being anticipated by

Yang (U.S. 6,301,586, published on Oct. 9, 2001).

Regarding Independent claims 1, 13 and 23, A computer-implemented method of

generating a paper document based upon a plurality of multimedia documents storing

multimedia information in electronic form, the method comprising: receiving information

at a processor of a computer system identifying a selection criterion; analyzing with the

processor of the computer system the multimedia information stored by the plurality of

multimedia documents based on the information to identify portions of video information

or audio information in the multimedia information that satisfy the selection criterion;

extracting the identified portions of video information or audio information in the

multimedia information with the processor of the computer system including at least a

first portion of video information or audio information extracted by the processor from a

first multimedia document in the plurality of multimedia documents and a second portion

of video information or audio information extracted by the processor from a second

multimedia document in the plurality of multimedia documents; and printing the portions

of Video information or audio information in the multimedia information that satisfy the

selection criterion using an output device associated with the computer system, including

the extracted first portion and the extracted second portion, on a paper medium to

generate the paper document comprising a set of one or more printed pages.

Yang discloses generating a paper document based on a plurality of multimedia

documents defined as a collection (see column 1, lines 45-67 & column 2, lines 14-25 &

column 14, lines 60-67 & column 15, lines 5-67 & fig 18). Yang's system operates on a

computer and includes a processor thereby performing the steps of analyzing multimedia

information (see column 5, line 11). He discloses identifying a selection criterion as using

search related functions/query as is known in the art for searching and accessing

databases to retrieve multimedia objects (column 7, lines 19-26). Column 24, lines 40-50

discloses "The real power of this media database management system is the powerful and

flexible way **to query the database system by using predefined criteria**" thereby

teaching identifying a selection criterion. The processor analyzes the multimedia

information stored by a plurality of multimedia documents to identify portions as clips of

video information or audio as sound components as disclosed in column 1, lines 45-67

that satisfy the predefined criteria. He discloses extracting the identified portions of video

information as clips or audio information as sound components extracted by the processor

from a first multimedia document. All the clips of a first multimedia document are stored

as a collection and those of a second multimedia document as a second collection and

those of a third multimedia document as a third collection etc., limited only by the

storage capabilities of a device (see fig 7 disclosing videos thereby comprising a plurality

of multimedia documents). Furthermore the user can extract the clips or sound

components based on the criterion to generate a new album/collection for printing as

shown in fig 14-19. He discloses printing the portions of Video information or clips that

satisfy the predefined criteria using an output device such as a printer that includes a first

clip or portion from a first collection and a second clip from a second collection as a new

collection on a paper medium to generate a set of one or more printed pages which

includes the number of clips per page as specified by the user and disclosed in figs 19-21.

Regarding Dependent claims 2 and 14, Yang discloses wherein printing the portions of

video information or audio information in the multimedia information that satisfy the

selection criterion using the output device associated with the computer system on the

paper medium to generate the paper document comprises: printing text information on at

least one page of the set of printed pages of the paper document using the output device

such that words in the text information that satisfy the selection criterion are annotated,

wherein the text information is extracted by the processor from the portions of video

information or audio information in the multimedia information (see column 22, lines 42-

55 & fig 22-23, which discloses printing text information on a page as annotated data, the

text information being extracted by the processor from the clips).

Regarding Dependent claims 3 and 15, Yang discloses wherein printing the portions of

video information or audio information in the multimedia information that satisfy the

selection criterion using the output device associated with the computer system on the

paper medium to generate the paper document comprises: printing one or more video

frames on at least one page of the set of printed pages of the paper document using the

output device such that at least one video frame that satisfies the selection criterion is

annotated, wherein the one or more video frames are extracted by the processor from the

portions of video information in the multimedia information (see column 1, lines 45-67 &

column 2, lines 1-67, including the explanation provided in the Independent claim).

Regarding Dependent claims 4, 10, 16 and 22, Yang discloses wherein receiving the

information at the processor of the computer system identifying the selection criterion

comprises: receiving information at the processor identifying a topic of interest (see

column 1, lines 45-67 & column 2, lines 1-67, including the explanation provided in the

Independent claim).

Regarding Dependent claims 5, 17 and 25, Yang discloses wherein printing the

portions of video information or audio information in the multimedia information that

satisfy the selection criterion using the output device associated with the computer system

on the paper medium to generate the paper document comprises: generating a printable

representation using the processor for the portions of the video information or audio

information in the multimedia information that satisfy the selection criterion; and printing

the printable representation using the output device on the paper medium to generate the

paper document (see column 1, lines 45-67 & column 2, lines 1-67, including the

explanation provided in the Independent claim).

Regarding Independent claims 6, 18 and 26, A method of generating a paper document

using multimedia information stored by a first multimedia document and a second

multimedia document, the method comprising:

Receiving, at the processor of a computer system, input identifying a selection criterion;

Accessing with the processor printable representations for the first multimedia document

and the second multimedia document; Analyzing with the processor the printable

representation for the first multimedia document in response to the input to identify at

least one portion of the printable representation that satisfies the selection criterion;

analyzing with the processor the printable representation for the second multimedia

document in response to the input to identify at least one portion of the printable

representation that satisfies the selection criterion; generating a consolidated printable

representation with the processor that includes the at least one portion of the printable

representation for the first multimedia document and the at least one portion for the

second multimedia document that satisfy the selection criterion; and printing the

consolidated printable representation using an output device associated with the computer

system on a paper medium to generate the paper document comprising one or more

printed pages.

Yang discloses generating a paper document based on a plurality of multimedia

documents defined as a collection (see column 1, lines 45-67 & column 2, lines 14-25 &

column 14, lines 60-67 & column 15, lines 5-67 & fig 18). Yang's system operates on a

computer and includes a processor thereby performing the steps of analyzing multimedia

information (see column 5, line 11). He discloses identifying a selection criterion as using

search related functions/query as is known in the art for searching and accessing

databases to retrieve multimedia objects (column 7, lines 19-26). Column 24, lines 40-50

discloses "The real power of this media database management system is the powerful and

flexible way **to query the database system by using predefined criteria**" thereby

teaching identifying a selection criterion. The processor analyzes the multimedia

information stored by a plurality of multimedia documents to identify portions as clips of

video information or audio as sound components as disclosed in column 1, lines 45-67

that satisfy the predefined criteria. He discloses extracting the identified portions of video

information as clips or audio information as sound components extracted by the processor

from a first multimedia document. All the clips of a first multimedia document are stored

as a collection and those of a second multimedia document as a second collection and

those of a third multimedia document as a third collection etc., limited only by the

storage capabilities of a device (see fig 7 disclosing videos thereby comprising a plurality

of multimedia documents). Furthermore the user can extract the clips or sound

components based on the criterion to generate a new album/collection for printing as

shown in fig 14-19. He discloses printing the portions of Video information or clips that

satisfy the predefined criteria using an output device such as a printer that includes a first

clip or portion from a first collection and a second clip from a second collection as a new

collection on a paper medium to generate a set of one or more printed pages which

includes the number of clips per page as specified by the user and disclosed in figs 19-21.

Regarding Dependent claims 7, 19 and 27, Yang discloses wherein: analyzing the

printable representation for the first multimedia document comprises determining at least

one page in the printable representation for the first multimedia document that comprises

information that satisfies the selection criterion; analyzing the printable representation for

the second multimedia document comprises determining at least one page in the printable

representation for the second multimedia document that comprises information that

satisfies the selection criterion; and generating the consolidated printable representation

comprises including the at least one page from the printable representation for the first

multimedia document and the at least one page from the printable representation for the

second multimedia document in the consolidated printable representation (see column 1,

lines 45-67 & column 2, lines 1-67, including the explanation provided in the

Independent claim).

Regarding Dependent claims 8 and 20, Yang discloses wherein printing the

consolidated printable representation on the paper medium to generate the paper

document comprises: printing text information on at least one page of the one or more

printed pages of the paper document such that words in the text information that satisfy

the selection criterion are annotated (see column 1, lines 45-67 & column 2, lines 1-67,

including the explanation provided in the Independent claim).

Regarding Dependent claims 9 and 21, Yang discloses wherein printing the

consolidated printable representation on the paper medium to generate the paper

document comprises: printing one or more video frames on at least one page of the one or

more printed pages of the paper document such that at least one video frame of the one or

more video frames that satisfies the selection criterion is annotated (see column 1, lines

45-67 & column 2, lines 1-67, including the explanation provided in the Independent

claim).

Regarding Dependent claim 24, with dependency of claim 23, Yang discloses wherein

the code for printing the portions of video information or audio information the

multimedia information that satisfy the selection criterion on the paper medium to

generate the paper document comprises: code for printing text information on at least one

page of the set of printed pages of the paper document such that words in the text

information that satisfy the selection criterion are annotated, wherein the text information

is extracted from the portions of video information or audio information in the

multimedia information; and code for printing one or more video frames on the at least

one page such that at least one video frame that satisfies the selection criterion is

annotated, wherein the one or more video frames are extracted from the portions of video

information or audio information in the multimedia information (see column 1, lines 45-

67 & column 2, lines 1-67, including the explanation provided in the Independent claim).

Regarding Dependent claim 28, with dependency of claim 26, Yang discloses wherein

the code for printing the consolidated printable representation on the paper medium to

generate the paper document comprises: code for printing text information on at least one

page of the one or more printed pages of the paper document such that words in the text

information that satisfy the selection criterion are annotated; and code for printing one or

more video frames on at least one page of the one or more printed pages of the paper

document such that at least one video frame of the one or more video frames that satisfies

the selection criterion is annotated (see column 1, lines 45-67 & column 2, lines 1-67,

including the explanation provided in the Independent claim).

It is noted that any citation [[s]] to specific, pages, columns, lines, or figures in the

prior art references and any interpretation of the references should not be

considered to be limiting in any way. A reference is relevant for all it contains and

may be relied upon for all that it would have reasonably suggested to one having

ordinary skill in the art. [[See, MPEP 2123]]

Response to Arguments

5.   Applicants arguments filed 11/5/2009 have been fully considered but are not persuasive.

Applicant Argues: <u>Yang does not make clear from this passage whether the actual multimedia objects are also stored in the database and thus queried using the alleged "predefined criteria", but it is clear that the alleged predefined criteria in Yang is merely used to query "information associated with albums and images".</u> (pg 13, paragraph 1)

<u>This is because, as discussed above, Yang simply searches a database for "information associated with albums and images" that satisfy user entered criteria which is a substantially different process from searching or analyzing the multimedia information itself as recited in claim 1 for portions of video or audio in the multimedia information that satisfy selection criteria as recited.</u> (pg 13, paragraph 3)

The Examiner Respectfully Disagrees: Pg 16 paragraph 3 of applicants response states that "Yang merely queries a database using predetermined criteria...", the examiner agrees on this portion admitted by applicant that Yang does infact query a database using a predetermined criteria. Also applicant discloses in pg 15 paragraph 2 that "printing an album prints the entire multimedia object on the album..." thereby applicant understands that the albums are multimedia objects. Yang already discloses searching or analyzing because analyzing/searching would be required by the system of Yang to meet the predetermined criteria and to retrieve the portions of multimedia. MOMA is a media object management application designed to help users **organize and manage image/media files including search based on specified criteria** (see column 5, lines 42-

55). Yang already discloses that media objects includes video clips which is obviously a portion of multimedia. Therefore Yang discloses that the user queries and searches video clips in MOMA thereby searching a portion of multimedia information, a first, a second a third etc, limited only by the storage capacity of the database itself.

Applicant Argues: Yang discloses that the entire multimedia object is used as a component of the album; the user can manually create such a clip. However, as discussed in prior response, this manual process is substantially different from the process recited in amend claim 1 because the user does not receive information identifying selection criteria, identifying portions of a plurality of multimedia documents that satisfy the selection criteria and extract those portions from at least two multimedia documents as recited in claim 1. (pg 15, paragraph 1)

Yang merely queries a database using predetermined criteria and fails to analyze printable representations of multimedia documents using the same predetermined criteria as recited in claim 6. (pg 16, paragraph 3)

However, Yang does not disclose that these database fields include text information that has been extracted from portions of video information or audio information as recited, such as using OCR or audio transcription techniques. Moreover, "annotated" as recited in claim 2 is substantially different from the annotating or tagging in Yang. (pg 17, paragraph 2)

The Examiner Respectfully Disagrees: Not only does Yang allow the user to print the portions of multimedia objects (video clips) as clearly depicted in the menu of fig 32 as "Print", but he also analyzes the printable representations of the multimedia documents using the predetermined criteria outlined in fig 34, such as searching by keywords. He allows the user to modify the layout of the selected multimedia clips which in itself is "analyze printable representations of multimedia documents". Furthermore applicant states that Yang does disclose annotating or tagging but it is "substantially different" from the claimed annotating. It is unclear how the annotating is substantially different because in fig 20 Yang already discloses printing text information on at least one page and further as previously admitted by applicant already supports annotating.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

    Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Manglesh M. Patel whose telephone number is (571) 272-5937.

The examiner can normally be reached on M,F 8:30-6:00 T,TH 8:30-3:00 Wed 8:30-7:00.

    If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Stephen S. Hong can be reached on (571)272-4124. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

    Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Manglesh M. Patel
Patent Examiner (AU 2178)
January 15, 2009

/Manglesh M Patel/
Manglesh Patel
Examiner, Art Unit 2178

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	Primary Examiner, Art Unit 2178